

DETAILED ACTION

1. Status of the instant application:

Claims 1-11, 13, 15-33, 35, 37-48, and 50-55 are pending in the instant application.

Response to Arguments

2. Applicants amendments and remarks and arguments filed 10/27/2010 have been fully considered, please see the office action below for details.

EXAMINER'S AMENDMENT

3. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.
4. Authorization for this examiner's amendment was given in a telephone interview with Reza Sadr, Reg. # 63,292 on 12/14/2010.

5. The application has been amended as follows:

In the claims

6. Insert where underlined and delete where ~~striketrough~~ in claims 1, 23-33, 35, 37-45. Also add newly cited claims 50-55.

7. Claim 1 (Currently Amended) A computer-implemented method for automatically configuring a plurality of translation codes, the method performed by a server which includes a memory for storing client-translation code association information for associating each of the plurality of translation codes with one or more of a plurality of clients, the method comprising:

storing, in the memory, the client-translation code association information including first information that indicates an association between a first translation code and one client of the plurality of clients, the first translation code used for data translation to a first data format required by the one client;

translating, using the first translation code, data within the server into the first data format;

transmitting the translated data to the one client;

automatically detecting a change during an exchange of information with the one client, the change indicating that the one client requires a second data format different from the first data format;

receiving information related to the second data format from the one client in a data object definition message;

automatically generating a second translation code for data translation to the second data format; ~~and~~

replacing, in the client-translation code association information stored in the memory, the first information with a second information that indicates an association between the second translation code and the one client;

newly translating, using the second translation code, data within the server into the second data format; and

transmitting the newly translated data to the one client,

wherein the data object definition message is authorized by an authorization management unit on the server used to control and restrict the reaction of the server to the data object definition message.

8. Claim 23. (Currently Amended) A non-transitory computer readable storage medium embodying a program of instructions that, when executed by a server computer, cause the server computer to perform a method for automatically configuring a plurality of translation codes, the method comprising:

storing, in a memory of the server computer, client-translation code association information including first information that indicates an association between a first

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translation code and one client of a plurality of clients, the first translation code used for data translation to a first data format required by the one client;

translating data within the server into the first data format using the first translation code;

transmitting the translated data to the one client;

automatically detecting a change during an exchange of information with the one client, the change indicating that the one client requires a second data format different from the first data format;

receiving information related to the second data format from the one client in a data object definition message;

authorizing the data object definition message by an authorization management unit used to control and restrict the reaction of the server to the data object definition message;

automatically generating a second translation code for data translation to the second data format; and

replacing, in the client-translation code association information stored in the memory of the server computer, the first information with a second information that indicates an association between the second translation code and the one client;

newly translating, using the second translation code, data within the server into the second data format; and

transmitting the newly translated data to the one client.

9. Claim 24. The non-transitory computer readable storage media of claim 23, wherein the program further comprises instructions operable to cause the computer to automatically transmit the data object definition message from the client to the server upon detecting the change.

10. Claim 25. The non-transitory computer readable storage media of claim 24, wherein the program further comprises instructions operable to cause the computer to generate the second translation code within a translation code generator upon reception of the data object definition message.

11. Claim 26. The non-transitory computer readable storage media of claim 24, wherein the program further comprises instructions operable to cause the computer to transmit the translated data from the server to the client using a standard object description language.

12. Claim 27. The non-transitory computer readable storage media of claim 24, wherein the program further comprises instructions operable to cause the computer to transmit the data object definition message from the client to the server using a standard object description language.

13. Claim 28. The non-transitory computer readable storage media of claim 24, wherein the program further comprises instructions operable to cause the computer to

extract and translate the data required by the client from the stored data prior to sending the translated data from the server to the client.

14. Claim 29. The non-transitory computer readable storage media of claim 24, wherein the program further comprises instructions operable to cause the computer to use XSL in the translation code for translating the data into the data format used by the client.

15. Claim 30. The non-transitory computer readable storage media of claim 24, wherein the program further comprises instructions operable to cause the computer to provide, via the server, a data object definition message format.

16. Claim 31. The non-transitory computer readable storage media of claim 24, wherein the program further comprises instructions operable to cause the computer to manage, via an authorization management process, access to the server by the data object definition messages.

17. Claim 32. The non-transitory computer readable storage media of claim 24, wherein the program further comprises instructions operable to cause the computer to manage, via a version management procedure, data formats of different clients.

18. Claim 33. The non-transitory computer readable storage media of claim 23, wherein the program further comprises instructions operable to cause the computer, upon automatically detecting the change, to initiate a server request for the data object definition message from the one client.

19. Claim 35. The non-transitory computer readable storage media of claim ~~34~~ 23, wherein the program further comprises instructions operable to cause the computer to detect the changes in the data format by use of a version identification procedure.

20. Claim 37. The non-transitory computer readable storage media of claim 33, wherein the program further comprises instructions operable to cause the computer to generate [[adapt]] the second translation code within a translation code generator upon reception of the data object definition message.

21. Claim 38. The non-transitory computer readable storage media of claim 33, wherein the program further comprises instructions operable to cause the computer to transmit the translated data from the server to the client using a standard object description language.

22. Claim 39. The non-transitory computer readable storage media of claim 33, wherein the program further comprises instructions operable to cause the computer to transmit the data object definition message from the client to the server using a standard object description language.

23. Claim 40. The non-transitory computer readable storage media of claim 33, wherein the program further comprises instructions operable to cause the computer to extract and translate the data required by the client from the stored data, via a translation code procedure, prior to sending the translated data from the server to the client.

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24. Claim 41. The non-transitory computer readable storage media of claim 33, wherein the program further comprises instructions operable to cause the computer to use XSL in the translation code for translating the data into the data format used by the client.

25. Claim 42. The non-transitory computer readable storage media of claim 33, wherein the program further comprising instructions operable to cause the computer to provide, via the server, a data object definition message format.

26. Claim 43. The non-transitory computer readable storage media of claim 33, wherein the program further comprises instructions operable to cause the computer to manage, via an authorization management procedure, access to the server by the data object definition messages.

27. Claim 44. The non-transitory computer readable storage media of claim 33, wherein the program further comprises instructions operable to cause the computer to manage, via a version management procedure, data formats of different clients.

28. Claim 45. (Currently Amended) A server computer system for automatically configuring a plurality of translation codes, the system comprising:

a memory for storing client-translation code association information for associating each of the plurality of translation codes with one or more of a plurality of clients;

means for storing, in the client-translation code association information stored in the memory, first information that indicates an association between a first translation

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code and one client of the plurality of clients, the first translation code used for data translation to a first data format required by the one client;

a translating means for translating, using the first translation code, data within the server into the first data format;

means for transmitting the translated data to the one client;

a detecting means for automatically detecting a change during an exchange of information data associated with the one client, the change indicating that the one client requires a second data format different from the first data format; ~~and~~

a data receiving unit for receiving information related to the second data format from the one client in a data object definition message;

an authorization management unit for controlling and restricting the reaction of the server to the data object definition message and for authorizing the data object definition message;

a code generator for generating a second translation code for data translation to the second data format and replacing, in the client-translation code association information stored in the memory, the first information with a second information that indicates an association between the second translation code and the one client; and

newly translating, using the second translation code, data within the server into the second data format; and

transmitting the newly translated data to the one client.

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29. Claim 50. (New) The computer-implemented method of claim 1, wherein the authorization management unit authorizes the data object definition message if the one client is authorized to initiate translation code generation.

30. Claim 51. (New) The computer-implemented method of claim 1, wherein the authorization management unit authorizes the data object definition message based on user roles.

31. Claim 52. (New) The non-transitory computer readable storage medium of claim 23, wherein the authorization management unit authorizes the data object definition message if the one client is authorized to initiate translation code generation.

32. Claim 53. (New) The non-transitory computer readable storage medium of claim 23, wherein the authorization management unit authorizes the data object definition message based on user roles.

33. Claim 54. (New) The server computer system of claim 45, wherein the authorization management unit authorizes the data object definition message if the one client is authorized to initiate translation code generation.

34. Claim 55. (New) The server computer system of claim 45, wherein the authorization management unit authorizes the data object definition message based on user roles.

Allowable Subject Matter

35. Claims 1-11, 13, 15-33, 35, 37-48, and 50-55 are allowed.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to HO SHIU whose telephone number is (571)270-3810.

The examiner can normally be reached on Mon-Thur (8:30am - 4:00pm).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ario Etienne can be reached on 571-272-4001. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

HTS
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/Ho Ting Shiu/
Examiner, Art Unit 2457

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/Moustafa M Meky/

Primary Examiner, Art Unit 2457